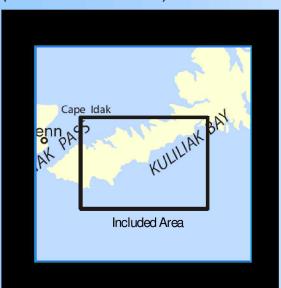
BookletChart

Unalaska Island Kuliliak Bay to Surveyor Bay

(NOAA Chart 16514)

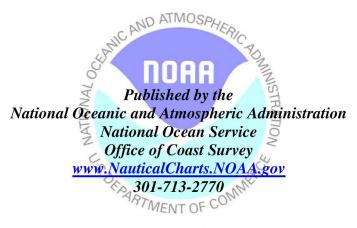


A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ☑ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ☑ Up to date with all Notices to Mariners
- ☑ United States Coast Pilot excerpts
- ✓ Compiled by NOAA, the nation's chartmaker.

NOAA

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What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 9, Chapter 7 excerpts]
(430) Kuliliak Bay indents the SE coast of
Unalaska Island immediately to the W of
Eagle Point. The bay is divided by a narrow
ridge of land into two parts, forming an outer
bay and a well-protected inner bay. The end
of this narrow ridge of land, Repetition
Point, is the E point of the entrance to the
inner bay.

(432) Outer Kililiak Bay is open to the S. The shores are characterized by rock cliffs, except at the head of the deep bight which forms the

NE part of the outer bay. At the head of this bight is a sand beach and a valley passes N of Eagle Point into Eagle Bay. Anchorage in 13 to 14 fathoms may be had at the opening of the bight, with some protection in SE weather and good protection in N and NW weather.

(433) A reef, with the outer part of it awash at half-tide, makes out from the center of the N shore of outer Kililiak Bay, and a shoal covered 8

fathoms extends 330 yards S from the reef. Otherwise the bottom of the outer bay is very even, decreasing in depth very gradually from 30 fathoms at the entrance to 12 fathoms at an average distance of about 200 yards off the N shore.

(434) Inner Kililiak Bay affords good shelter E of Nest Rock in 7 fathoms in all weather. The entrance is about 500 yards wide between the cliffs 200 feet high on the W side and on the steep tip of Repetition Point on the E side.

(438) The W shore of the inner bay is a curving, pebble beach fronting a low, grassy bluff. A low, wide valley, through which fog often drifts and winds always draw in N and W weather, extends across Unalaska Island to Kashega Bay. The W and NW shores of the inner bay, E of Nest Rock, are lined with low reefs, rocks awash and covered, and heavy kelp for a distance of 100 to 300 yards offshore. A rock, awash at half tide and surrounded by kelp, is 300 yards off the N shore directly N of the entrance. A fringe of heavy kelp, 50 yards wide, lines the S shore from the entrance to Trava Point.

(439) Proceeding to sheltered anchorage inside the inner bay, the controlling depth is 4½ fathoms after passing the entrance. A channel with this depth is close to the SE shore of the bay and just outside a heavy fringe of kelp along the NW shore of Repetition Point. On the N side of this channel the water shoals very gradually to the opposite side of the bay. NE of Trava Point the water deepens and the bottom is flat. (440) In N and W weather violent williwaws occur in the head of inner Kulikiak Bay, above Williwaw Point. In S weather short seas, almost breaking across the entrance, make it difficult to enter.

(444) About 5 miles W of Lance Point is a small bight that affords shelter for small craft in all but SE weather. Many rough rocky ledges extend from the shore between Lance Point and this small bight, at the head of which is a broad sand beach divided into two parts by a small rocky point. Three streams flow through the low, grassy valley behind the beach. An islet, 70 feet high, is SE of the low point that forms the S side of the bight; rocks awash are 300 yards NE of the islet. A chain of small rocky islets extends across the entrance to the bight, and a broad, flat reef that uncovers 1 foot is NW of these islets.

Local Magnetic Disturbance

(445) Differences of as much as 6° from the normal variation have been observed at Cape Aiak and as much as 3° on Huddle Rocks and at Lance Point.

(446) Cape Aiak, on the S coast of Unalaska Island, 8 miles SW of Lance Point or about 15 miles from Konets Head, is 1,820 feet high, and from the NE at a distance appears like a flat-topped island with a massive horn or pinnacle on the S slope. Breakers extend 300 yards S from the S end of the point.

(447) Between Cape Aiak and Konets Head, the flood current sets W toward Umnak Pass and increases in velocity as the pass is approached. It is strongest near the shore. The ebb is weaker than the flood. (448) **Surveyor Bay**, on the W side of Cape Aiak, is 4 miles wide and 2

miles to its head. About 2 miles NW of Cape Aiak, the **Gargoyle Islands**, a group of fantastically eroded pinnacles about 250 feet high, make out 0.4 mile from a point on the N shore and divide the bay into two bights. A reef, awash at high water, connects the islands to the shore. (449) A shoal, which has a least depth of 3 fathoms and breaks in heavy weather, is 0.3 mile S from the SW extremity of the islands; another 3-fathom shoal is 0.6 mile W of the same point and 0.5 mile S of a reeffringed islet close to shore.

(450) Small-boat anchorage with some shelter from SE can be found in 5 fathoms 250 yards from the shore in the cove NW of the Gargoyle Islands. In using the anchorage, care must be taken to avoid a covered rock 400 yards from shore that breaks in moderate weather. The anchorage is not recommended but is the best available shelter between Kuliliak Bay and Umnak Pass.

(451) The W bight of Surveyor Bay has low sand dunes along its N shore; the W shore is fringed with ledges, one of which extends 700 yards off. A 4¾ - fathom rocky patch, 1.5 miles NNE from Serpent Point, is about in the center of the bight.

Table of Selected Chart Notes

orrected through NM Nov. 22.

Consult U.S. Coast Pilot 9 for important pplemental information.

Mercator Projection Scale 1:40,000 at Lat 53° 20'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

LOCAL MAGNETIC DISTURBANCE Differences of as much as 3° from the normal variation have been observed at Huddle Rocks and at Lance Point.

LOCAL MAGNETIC DISTURBANCE Differences of as much as 6° from the normal variation have been observed at Cape Alak.

revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Offlice of the Commander, 17th Coast Guard District in Juneau, Alaska, or at the Office of the District Engineer, Corps of Engineers in Anchorage, Alaska.

Refer to charted regulation section numbers.

equal elevation.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent

PROHIBITED AREA

PROHIBITED AREA

Unaloska Island is a Noval Defense Sea Area and
Airspace Reservation. No vessels or aircraft, except those
authorized by the Secretary of the Novy, shall be navigated
in or above the area within the three-mile limit.
The restriction imposed upon the use of the Noval
Airspace Reservation has been suspended subject to
reinstatement without notice at any time.

ast Guard facility if telephone communication is impossible (33 (

The contour lines are hill shapes, sketched to afford the navigator a generalized indication of the character of the

This nautical chart has been designed to promote safe navigation. The Nation Service encourages users to submit corrections, additions, or comments young this chart to the Chief, Marine Chart Division (N/CS2), National Occe, NOAA, Silver Spring, Maryland 20910-3282.

COLREGS, 80.1705 (see note A)

ternational Regulations for Preventing Collisions at Sea, 1972. ne entire area of this chart falls seaward of the COLREGS Demarcation

Additional information can be obtained at nauticalcharts.noaa.gov.

POLLUTION REPORTS

CAUTION

chart has been corrected from the Notice to Mariners (NM) published by the National Imagery and Mapping Agency and the Local Notice to s (LNM) issued periodically by each U.S. Coast Guard district to the lown in the lower left hand corner.

Nautical Miles

Place		Height referred to datum of soundings (MLLW)			
Name	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
Kuliliak Bay	(53°28'N / 167°01'W)	feet 5.6	feet 5.0	feet 1.5	feet -3.0

25



UNITED STATES

ALASKA - ALEUTIAN ISLANDS

UNALASKA ISLAND

KULILIAK BAY TO SURVEYOR BAY

Mercator Projection Scale 1:40,000 at Lat 53° 20'

North American Datum of 1983

SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1

Additional information can be obtained at nauticalcharts.noaa.gov

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which is Norm American Dauth of 1982 (NAU-08), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 3.151' southward and 6.771' westward to agree with this chart.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

The contour lines are hill shapes, sketched to afford the navigator a generalized indication of the character of the land forms. They should not be relied upon as lines of equal elevation.

WARNING

The prudent mariner will not rely solely on any single aid navigation, particularly on floating aids. See U.S. Coast to navigation, particularly on floating aids. See Guard Light List and U.S. Coast Pilot for details

STATION BAY (use chart 16515)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Aids to Navigation (lights are white unless otherwise indicated):

G green IQ interrupted quick Al alternating B black Iso isophase Bn beacon C can DIA diaphone LT HO lighthouse M nautical mile m minutes MICRO TR in crowave to F fixed FI flashing Bottom characteristics

G gravel bk broken Cy clay Miscellaneous: AUTH authorized

ED existence doubtful PA position approximate Rop 2.

21. Wreck, rock, obstruction, or shoal swept clear to the depth (2) Rocks that cover and uncover, with heights in feet above d

COLREGS, 80.1705 (see note

International Regulations for Preventing Collisions a The entire area of this chart falls seaward of the CC

Navigation regulations are p Chapter 2, U.S. Coast Pilot 9. A revisions to Chapter 2 are public Notice to Mariners. Information

Refer to charted regulation section

HEIGHTS Heights in feet above Mean High

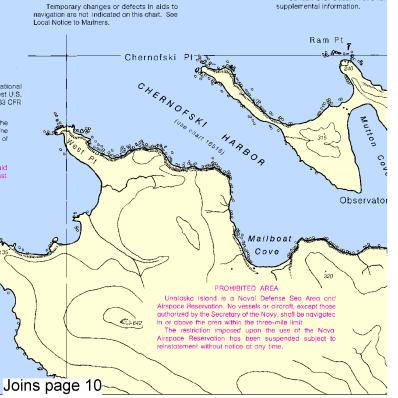
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Place		Height referred to		
Name	(LAT/LONG)	Mean Higher High Water	M∈ High	
Kuliliak Bay (53°28	'N / 167°01'W)	feet 5.6	fe	

CAUTION

SUPPLEMENTAL INFORMAT

Consult U.S. Coast Pilot 9 for supplemental information.



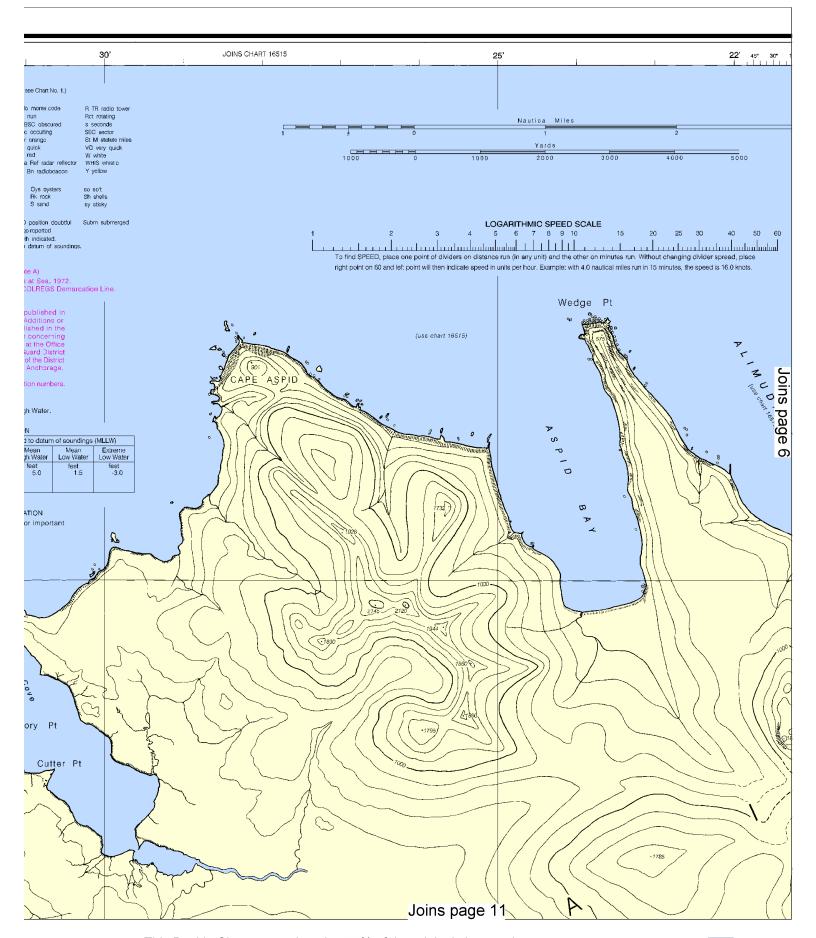


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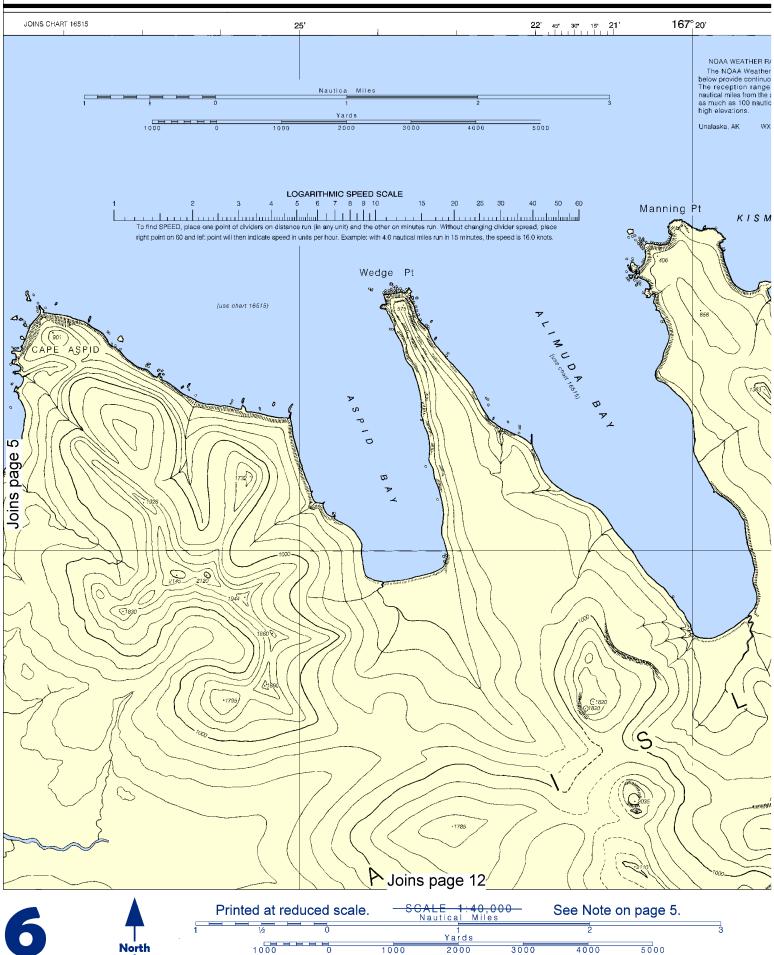
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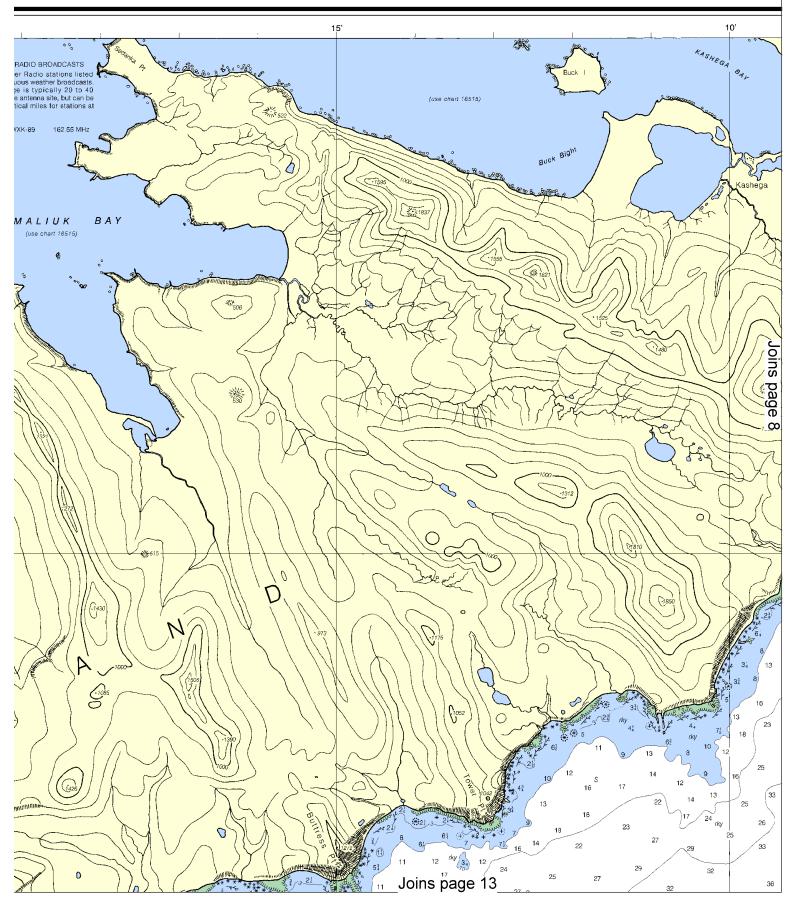
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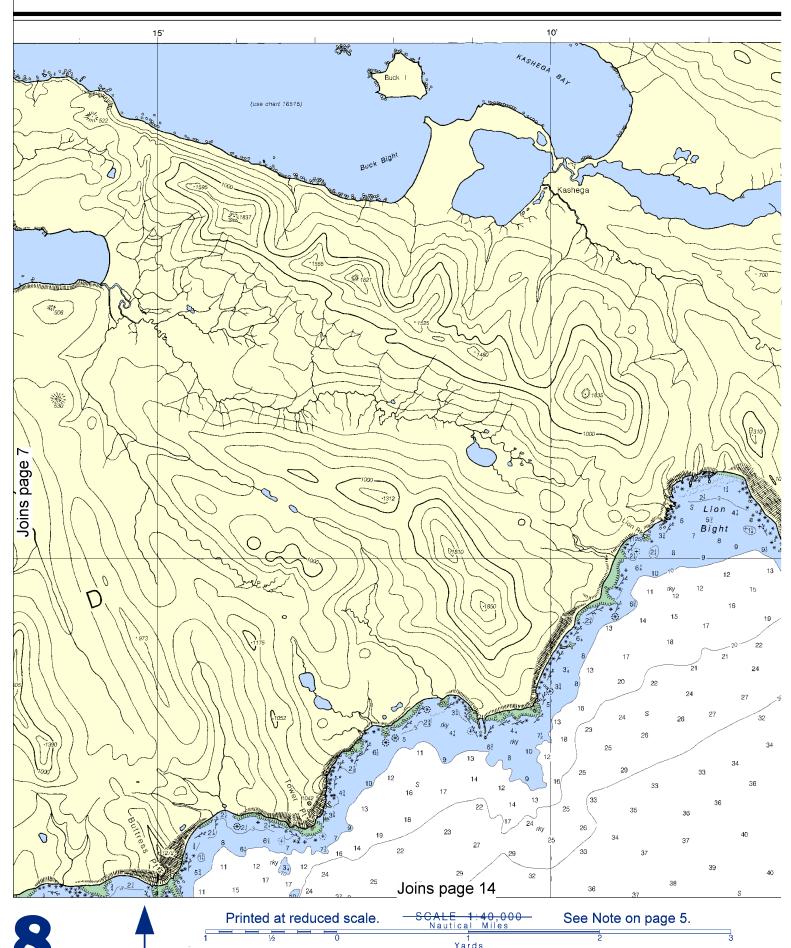
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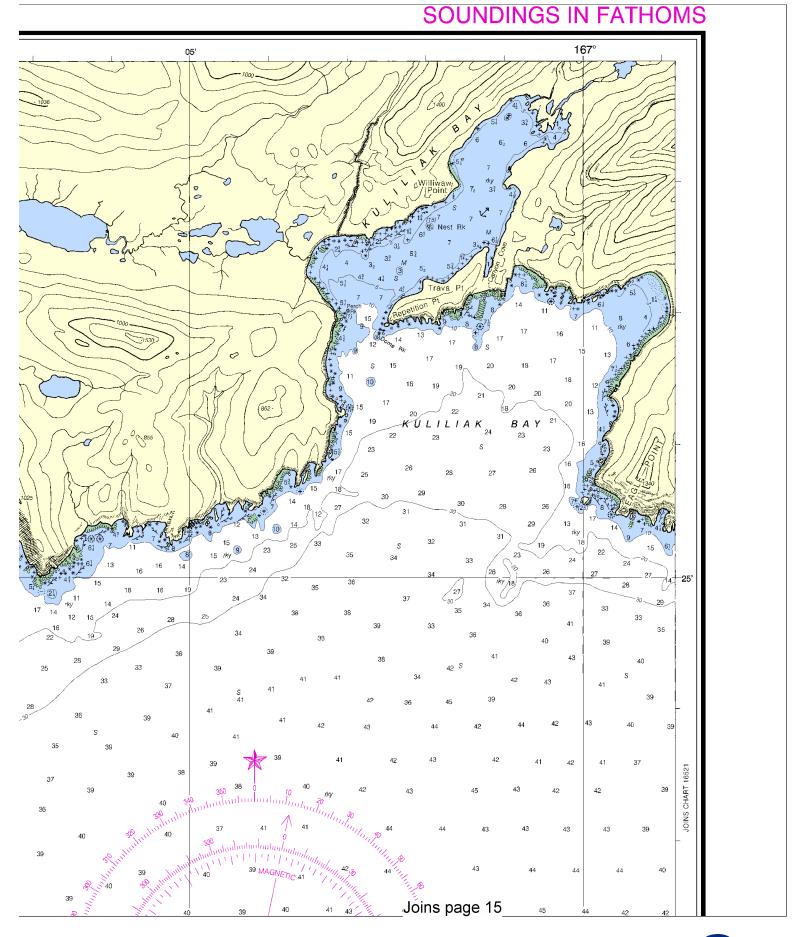


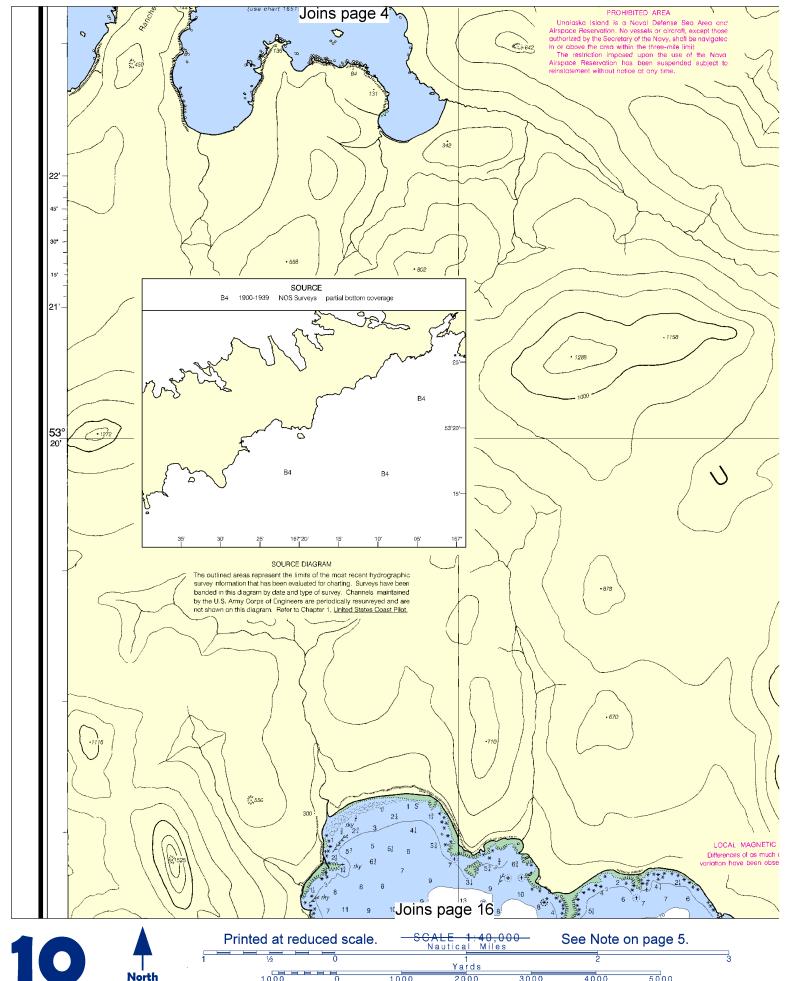




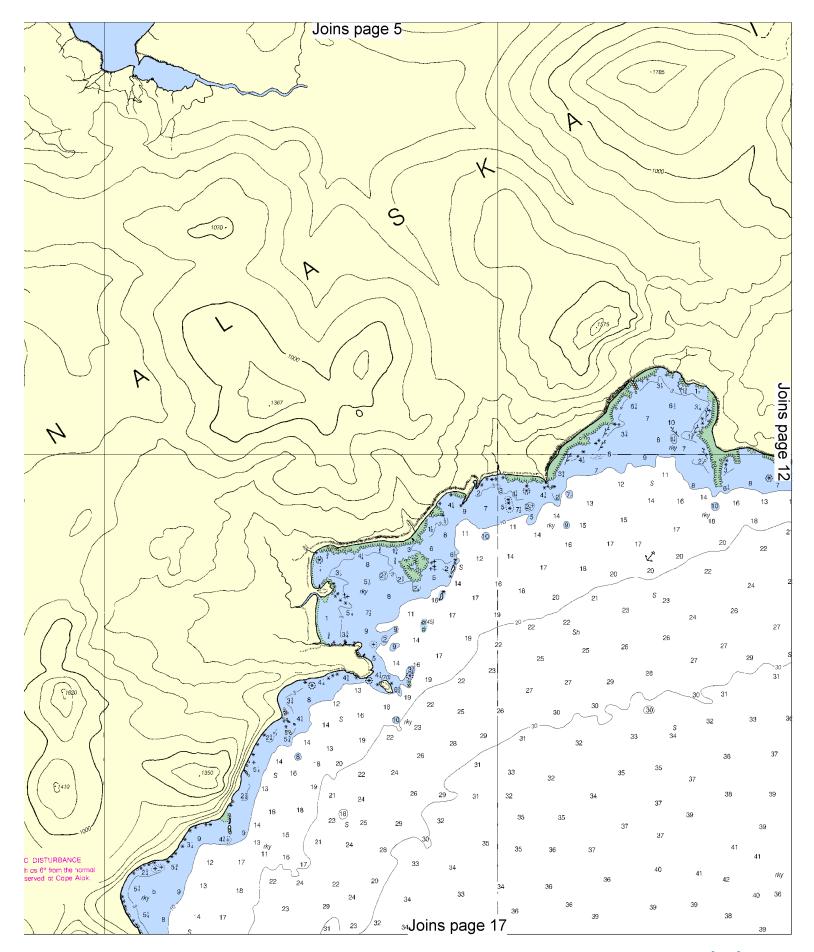


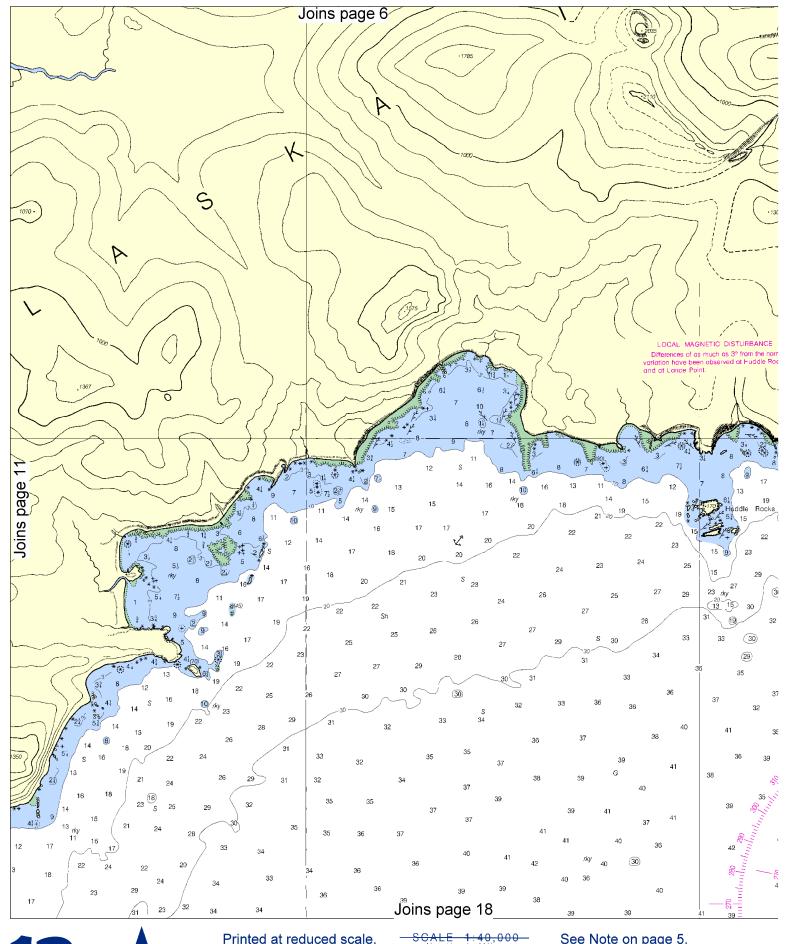




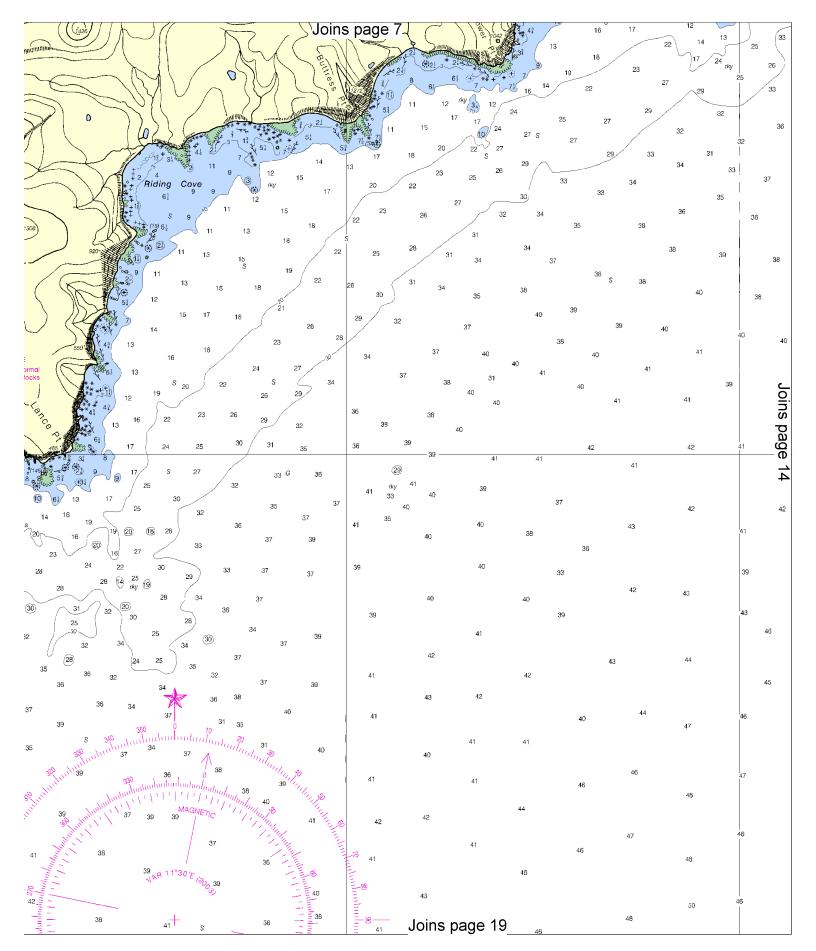


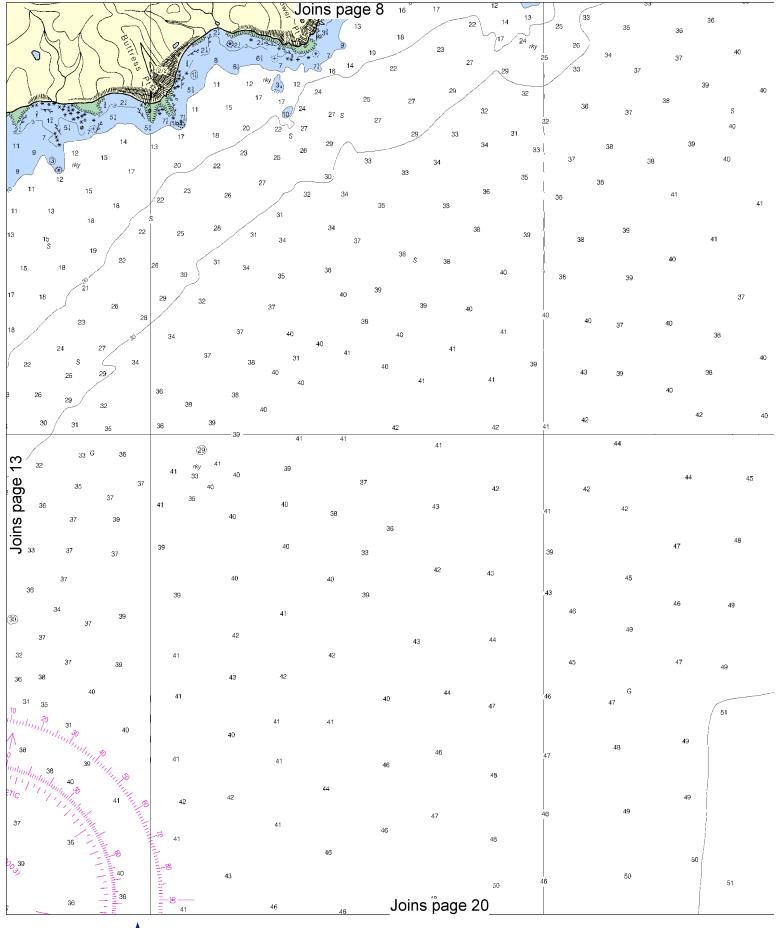
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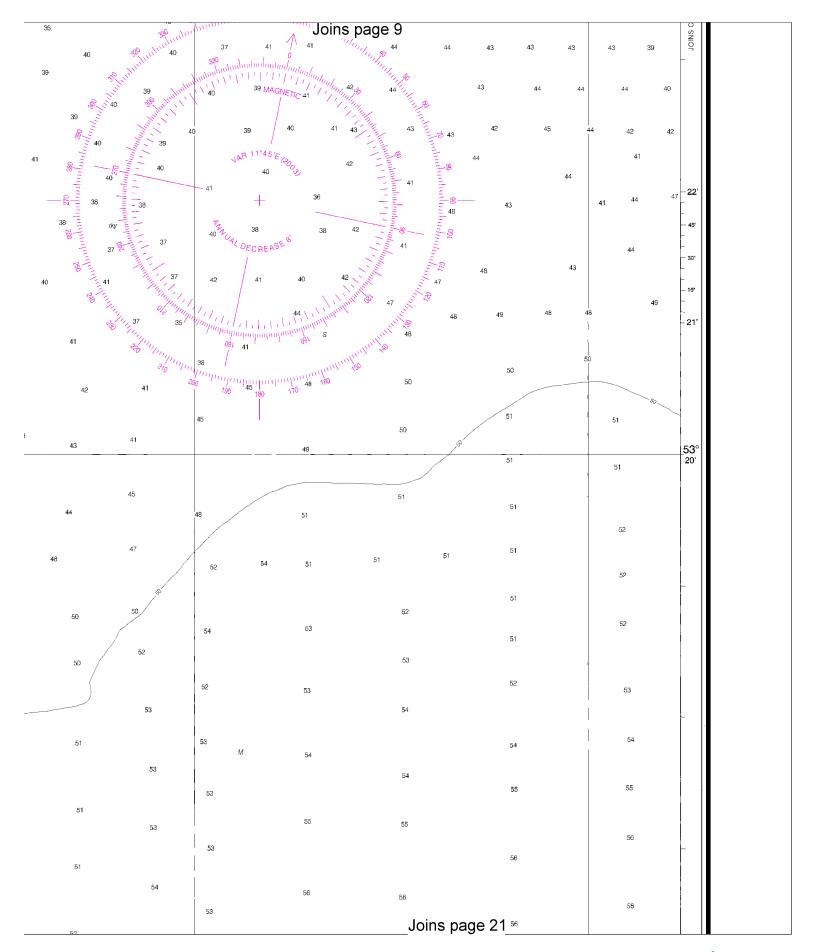


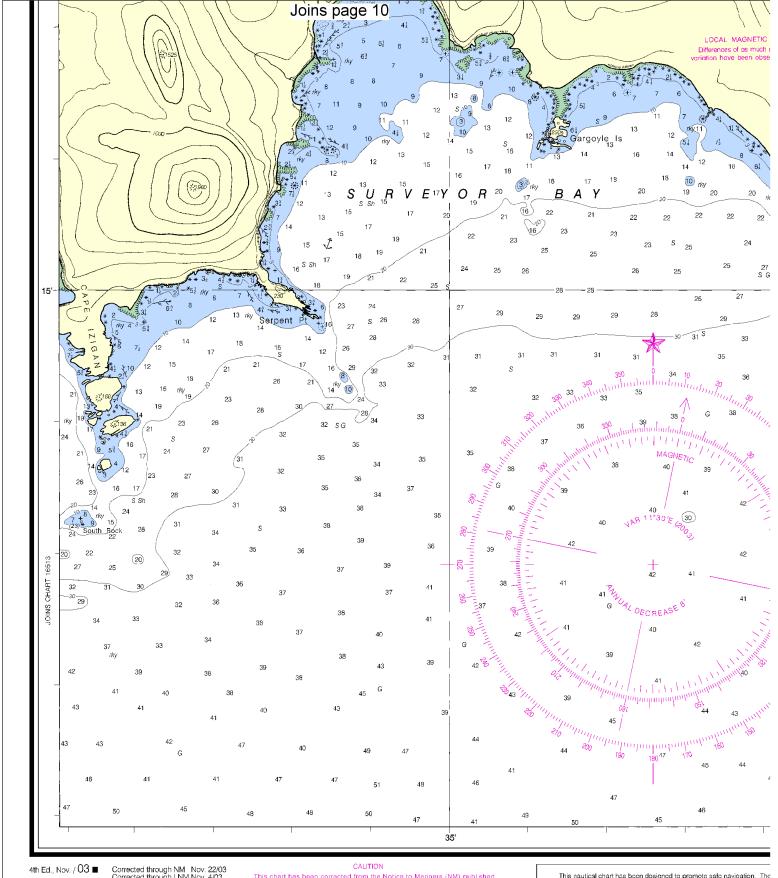












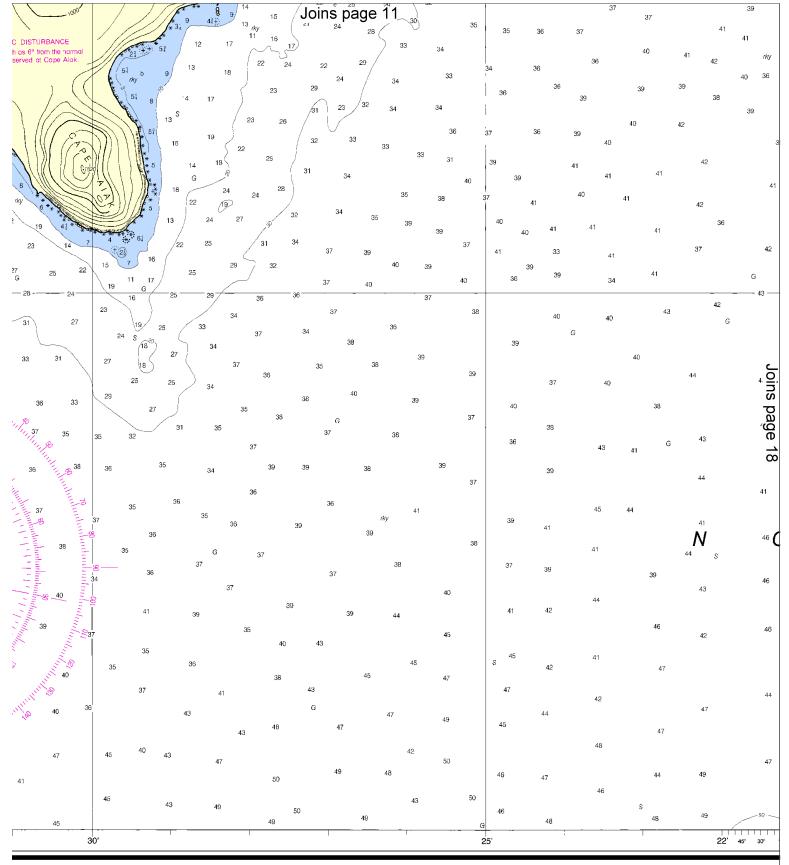
4th Ed., Nov. / 03 **1 16514**

Corrected through NM Nov. 22/03 Corrected through LNM Nov. 4/03

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners (LNM) issued periodically by ϵ dates shown in the lower left hand corner

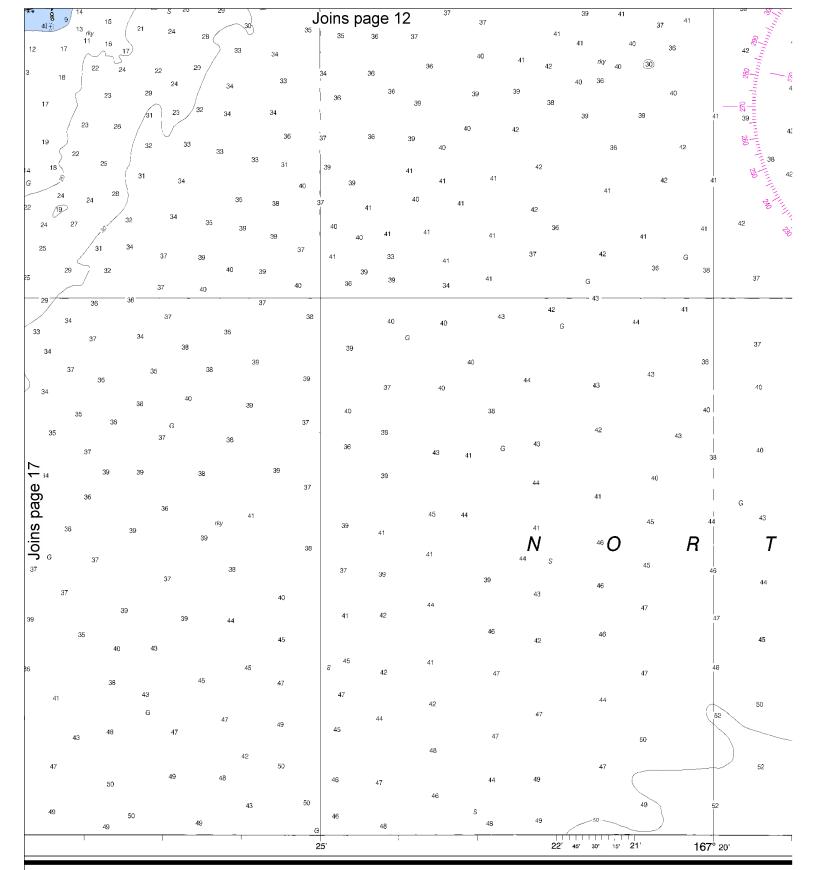
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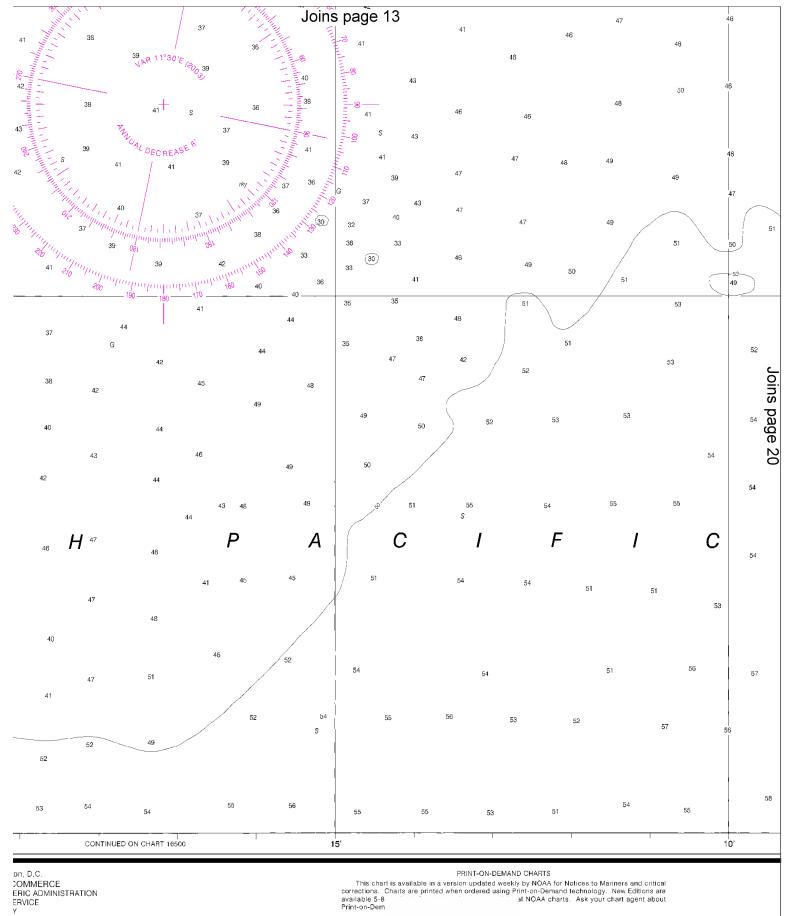


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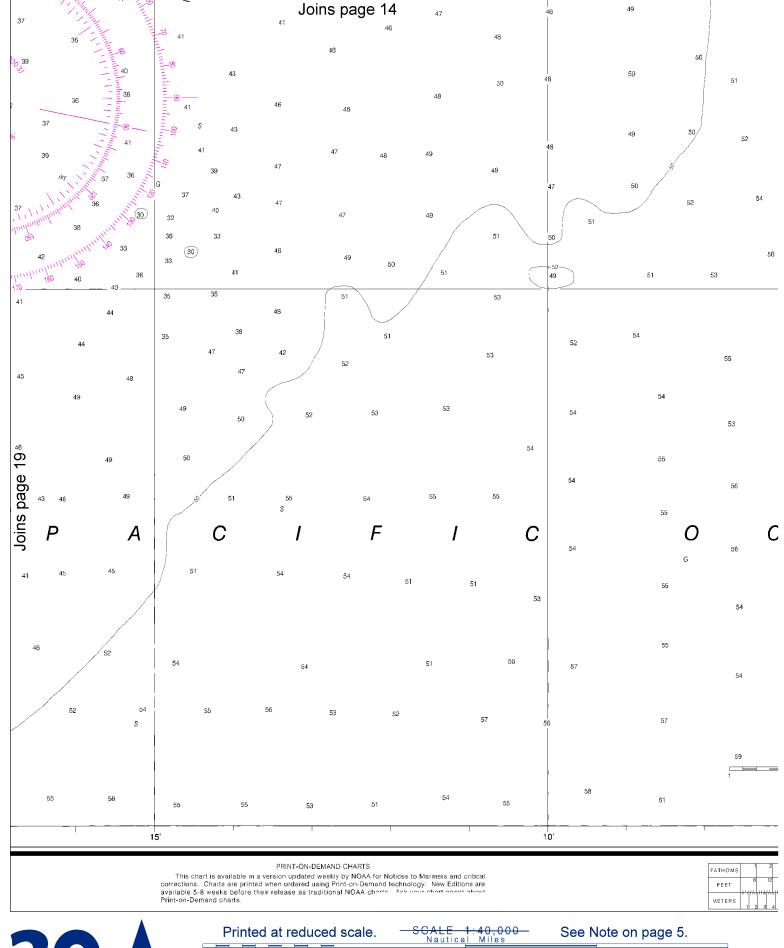
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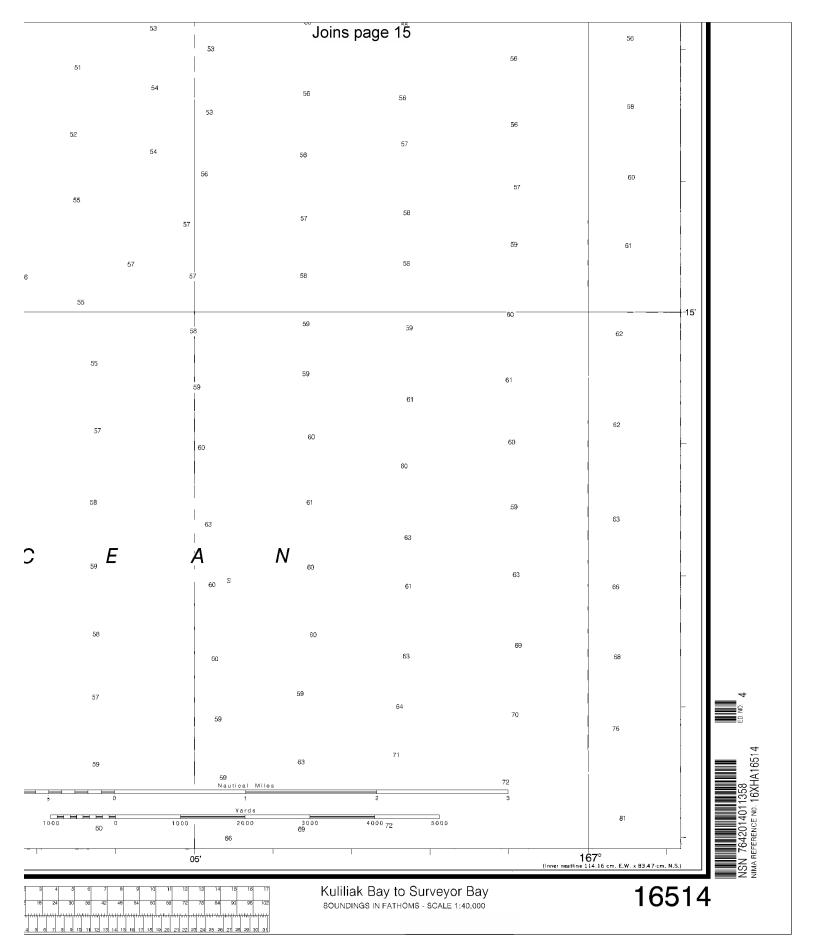


This chart is available in a version updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 al NOAA charts. Ask your chart agent about Print-on-Dem









EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls

to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

- 1. Make sure radio is on.
- 2. Select Channel 16.
- 3. Press/Hold the transmit button.
- 4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- 6. Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!!

Mobile Phones – Call 911 for water rescue.

Coast Guard Search & Rescue (Pacific Coord) – 510-437-3700

Coast Guard Search & Rescue (RCC Juneau) – 907-463-2000

<u>NOAA Weather Radio</u> – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



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Official PocketChartsTM – PocketChartsTM are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

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Internet Sites: www.Noa.gov, <a href="